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APPLICATION

BEFORE THE UNITED STATES PATENT AND TRADEMARK OFFICE

of

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MR. NATE MULLEN

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TECHNOLOGY CENTER R3700

for

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UNITED STATES LETTERS PATENT

on

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METHOD OF WIRING LIGHTING FIXTURES

TO ACHIEVE UNIFORM VOLTAGE DROP

VOLTAGE EQUALIZER HUB™ WIRING METHOD AND APPARATUS

Docket No. 3768

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TITLE OF THE INVENTION

VOLTAGE EQUALIZER HUBTM ~~WIRING METHOD AND APPARATUS~~

METHOD OF WIRING LIGHTING FIXTURES TO ACHIEVE UNIFORM VOLTAGE DROP

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INVENTOR

Mr. Nate Mullen, citizen of the United States and resident of Escondido, California.

CROSS-REFERENCE TO RELATED APPLICATIONS

Not Applicable.

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STATEMENT RE: FEDERALLY SPONSORED RESEARCH AND DEVELOPMENT

Not Applicable.

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ABSTRACT OF THE DISCLOSURE

1 This invention goes to a voltage equalizer hub wiring method and apparatus (Equalizer HubTM) for use in low voltage landscape lighting systems. The method comprises providing a power source, connecting a transformer to said power source, connecting said transformer to an Equalizer HubTM, and connecting said Equalizer HubTM to one or more fixtures with equal length wire leads. The Equalizer HubTM consists of a plastic cylinder with a cap and two or more connectors for connecting a homerun wire from the transformer to the wire leads from the fixtures. This method provides equal voltage to each of the fixtures in the lighting system by making each fixture an equal distance from the transformer, thereby equalizing the voltage drop.

10 This invention is directed toward a method for wiring lighting systems, primarily low voltage, landscape lighting systems. The inventive method operates to equalize voltage drop across such lighting systems. The inventive method involves running a home run wire from a power source or transformer to a wiring hub. Two or more light fixtures having equal length wire leads are connected to the home run wire in the wiring hub. Each of the light fixtures are then arranged in the landscape lighting system around the wiring hub. Uniform voltage drop is achieved through the creation of equal distances between multiple light fixtures and a common power source. The common home run wire and equal length wire leads results is an equal distance from a common power source to each light fixture in the configuration.

DRAWINGS

Figures 1a, 1b, 1c, 1d, 2, 3, and 4 attached.

SEQUENCE LISTING

Not Applicable.